

FIG. 1

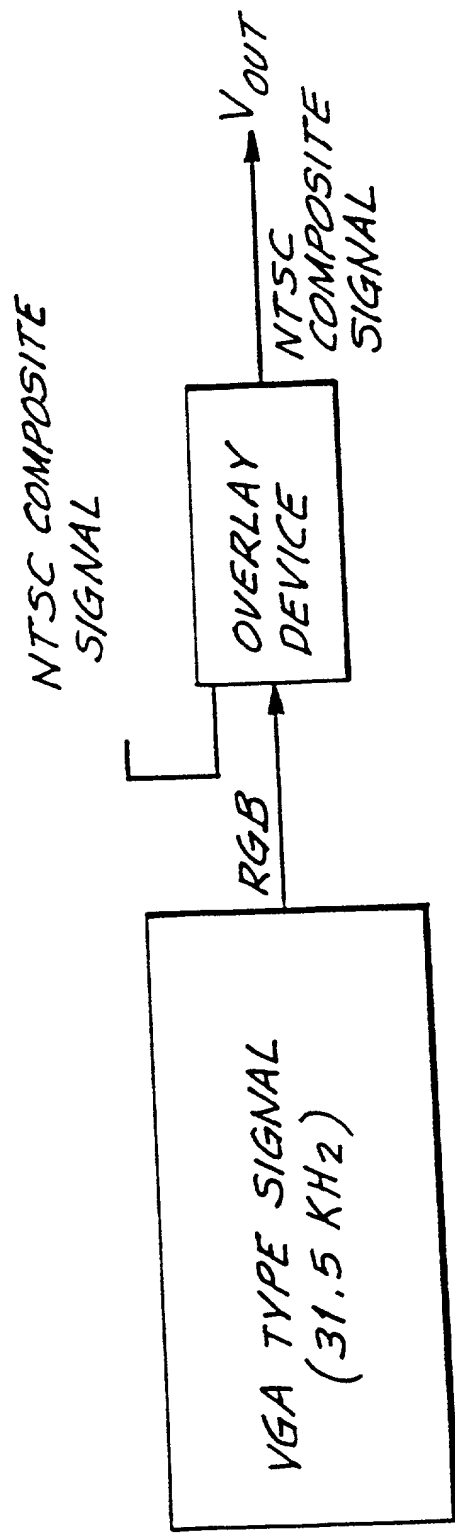


FIG. 2

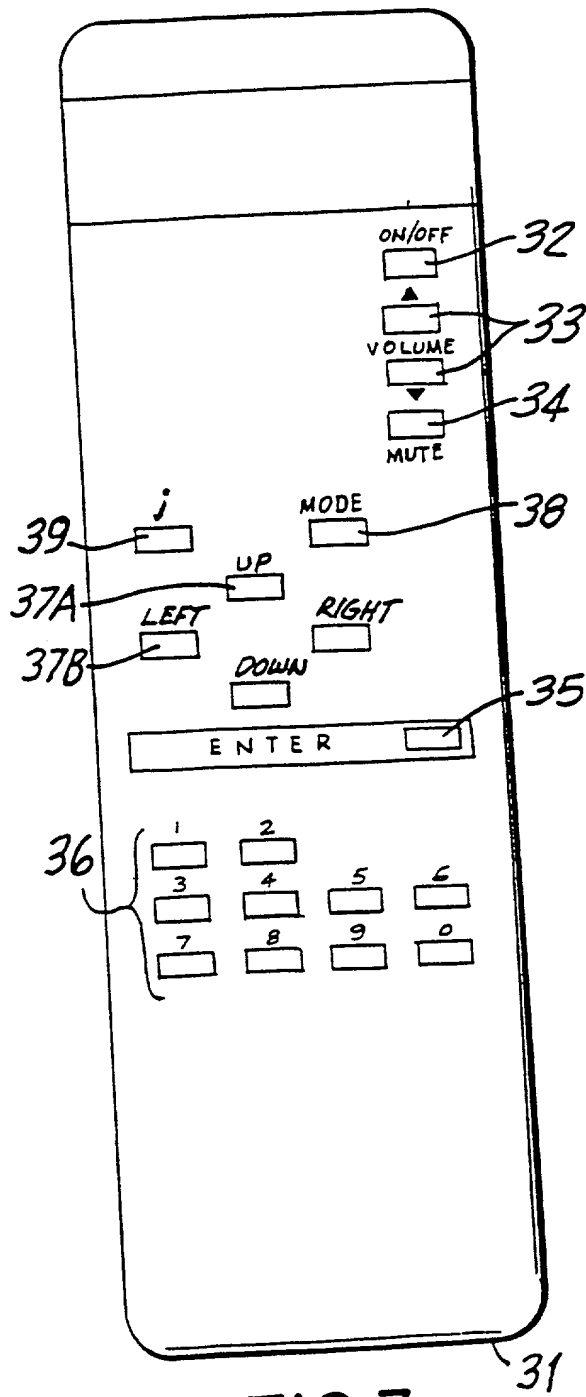


FIG. 3

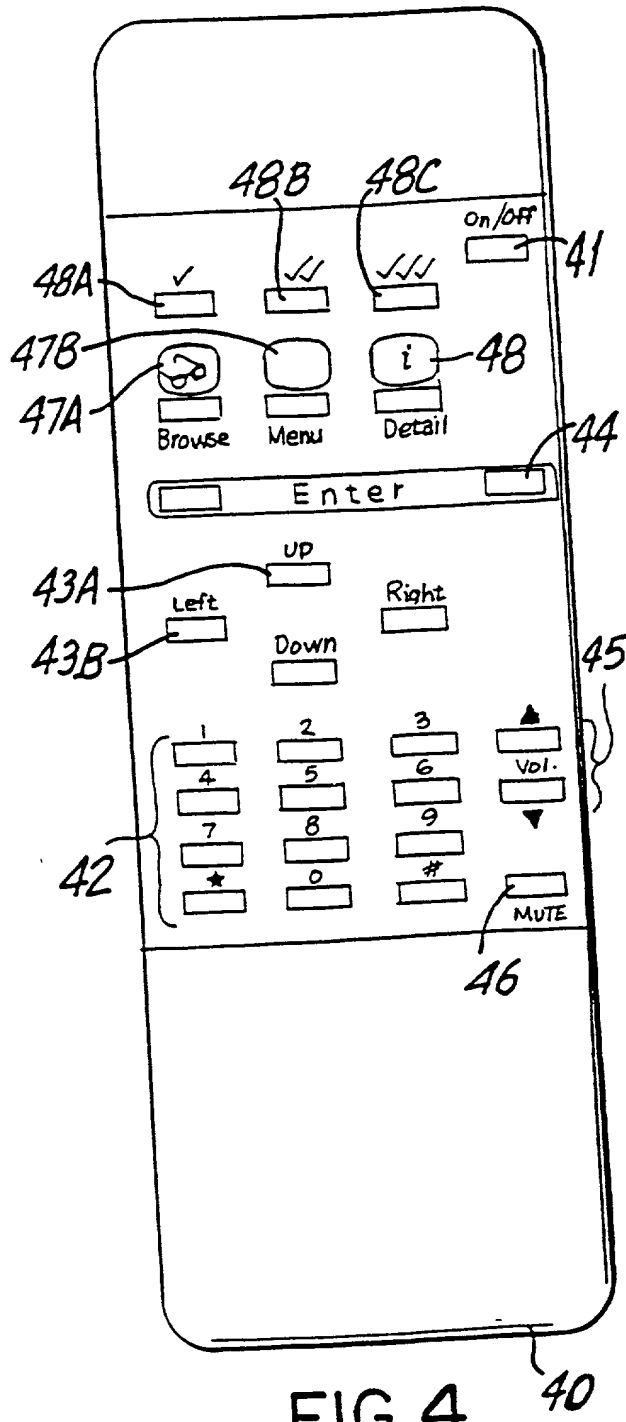


FIG. 4

FIG. 5 is a schematic diagram of a television screen 50 showing a program guide interface. The screen 50 displays a list of programs 51, 52, and 53. Program 51 is a satellite dish icon with the text "MSO LOGO". Program 52 is a box containing the text "5 KPIX (10:00-11:00)" and "Price Is Right". Program 53 is a box containing the text "TV GUIDE". The screen 50 also displays the word "Flip" above the program list.

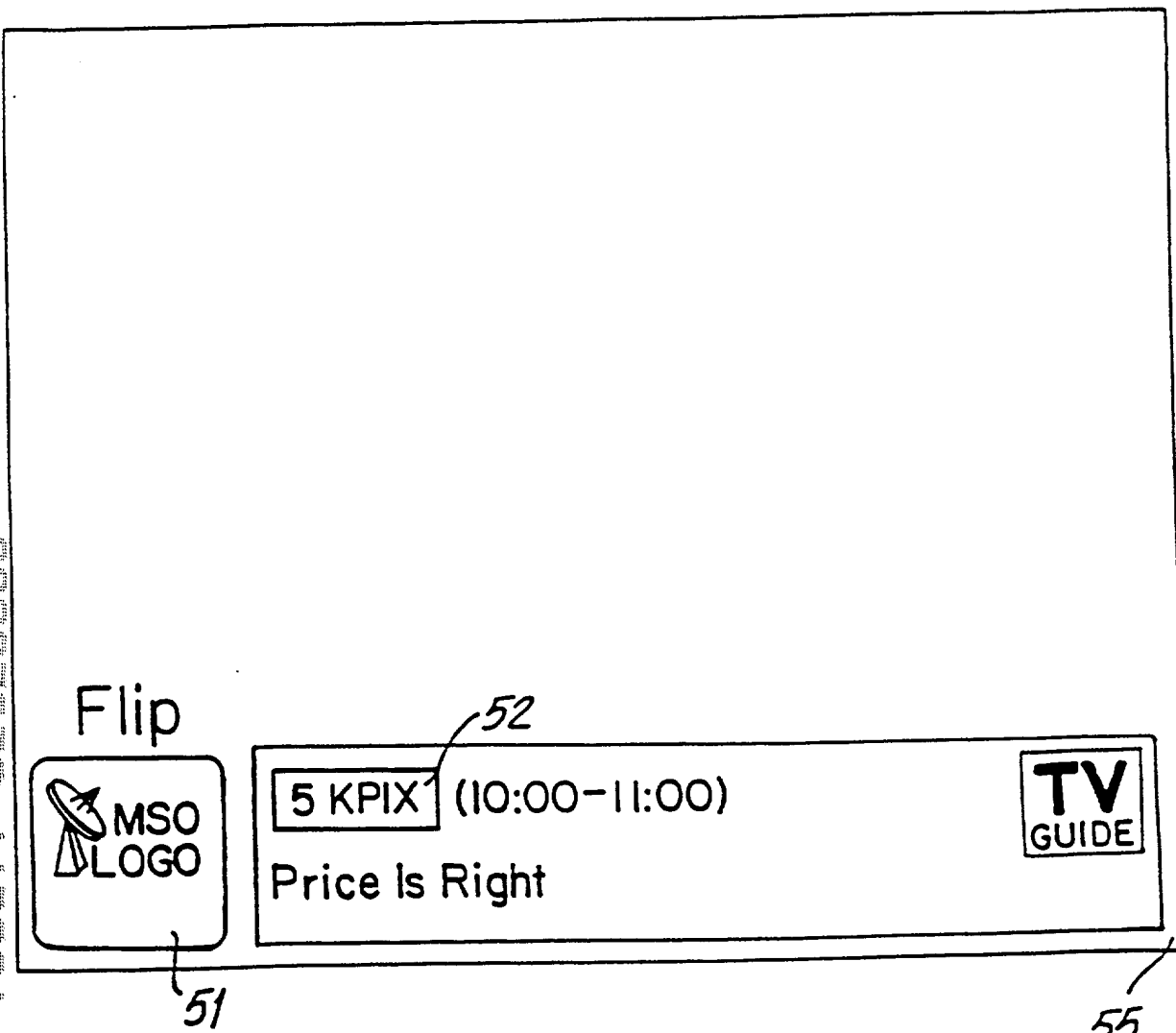


FIG. 5

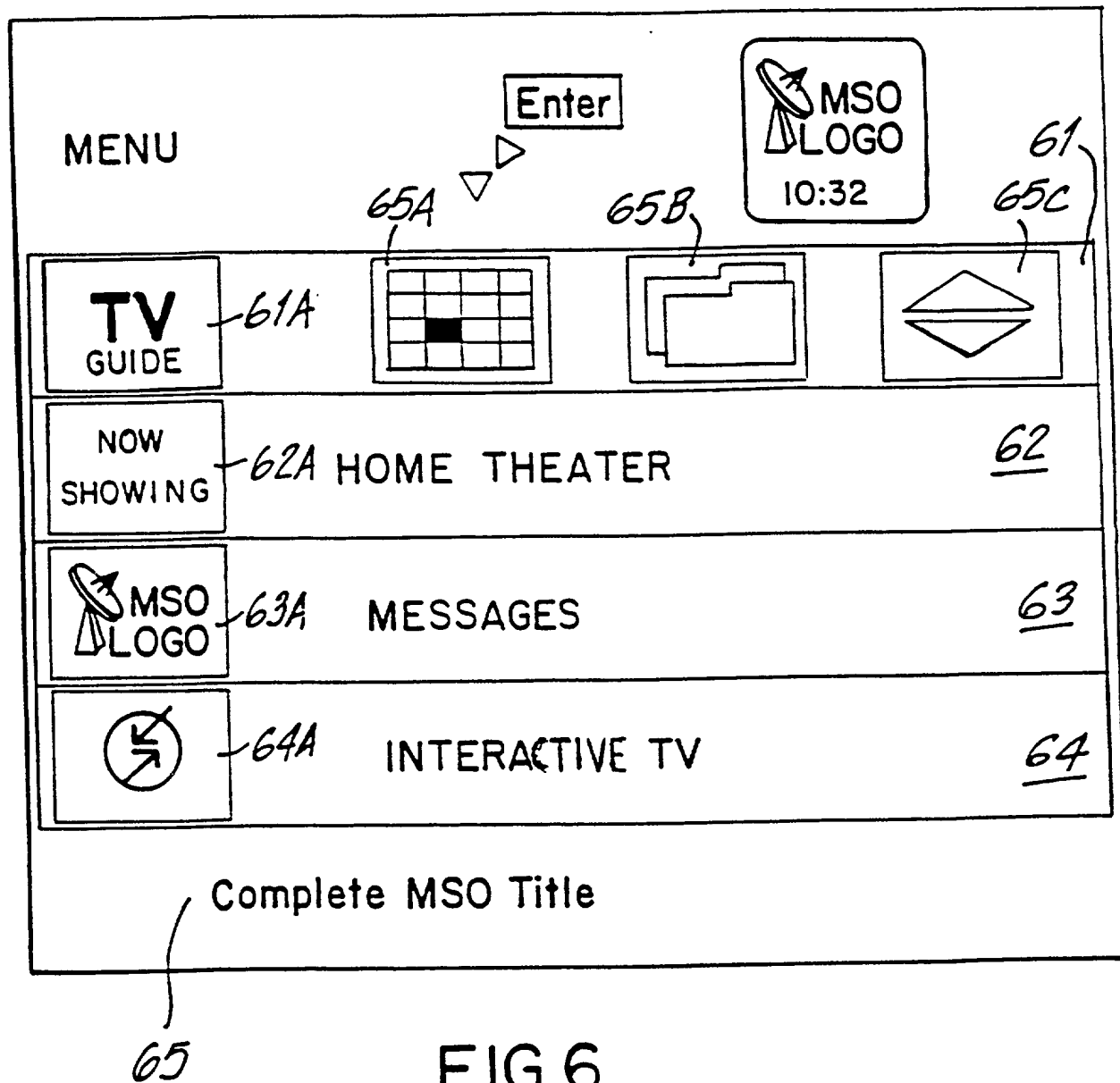


FIG. 6A is a schematic diagram of a television screen displaying a menu. The menu is divided into four horizontal sections. The top section is labeled 'MENU' and contains an 'Enter' button and an 'MSO LOGO' with the time '4:58pm'. The second section is labeled 'TV GUIDE' and contains the text 'ON SCREEN'. The third section is labeled 'NOW SHOWING' and contains the text 'HOME THEATER'. The fourth section is labeled 'INTERACTIVE TV' and contains a 'Complete MSO Title' field. The diagram also shows various icons and labels: a satellite dish icon, a checkmark icon, a question mark icon, and a lightning bolt icon. The labels 61, 62, 63, and 64 are used to identify specific elements in the diagram.

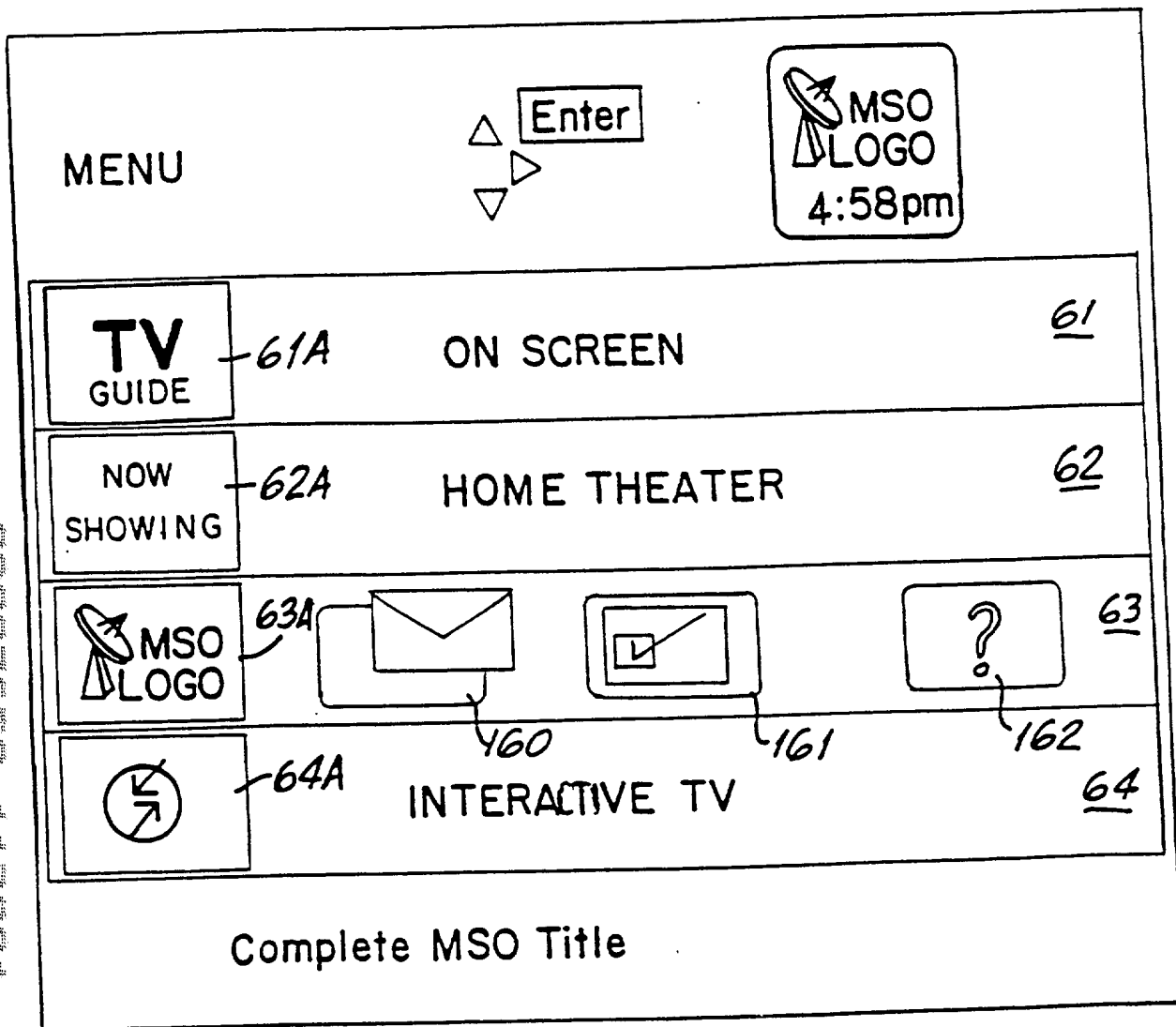


FIG.6A

FIG. 7 is a schematic diagram of a television set showing a screen 70 and a control panel 71. The screen 70 displays a menu with the following items: PARENTAL, FAVORITE CHANNEL, and a satellite dish icon with the text MSO LOGO and 12:27pm. The control panel 71 includes an Enter button and a downward arrow.

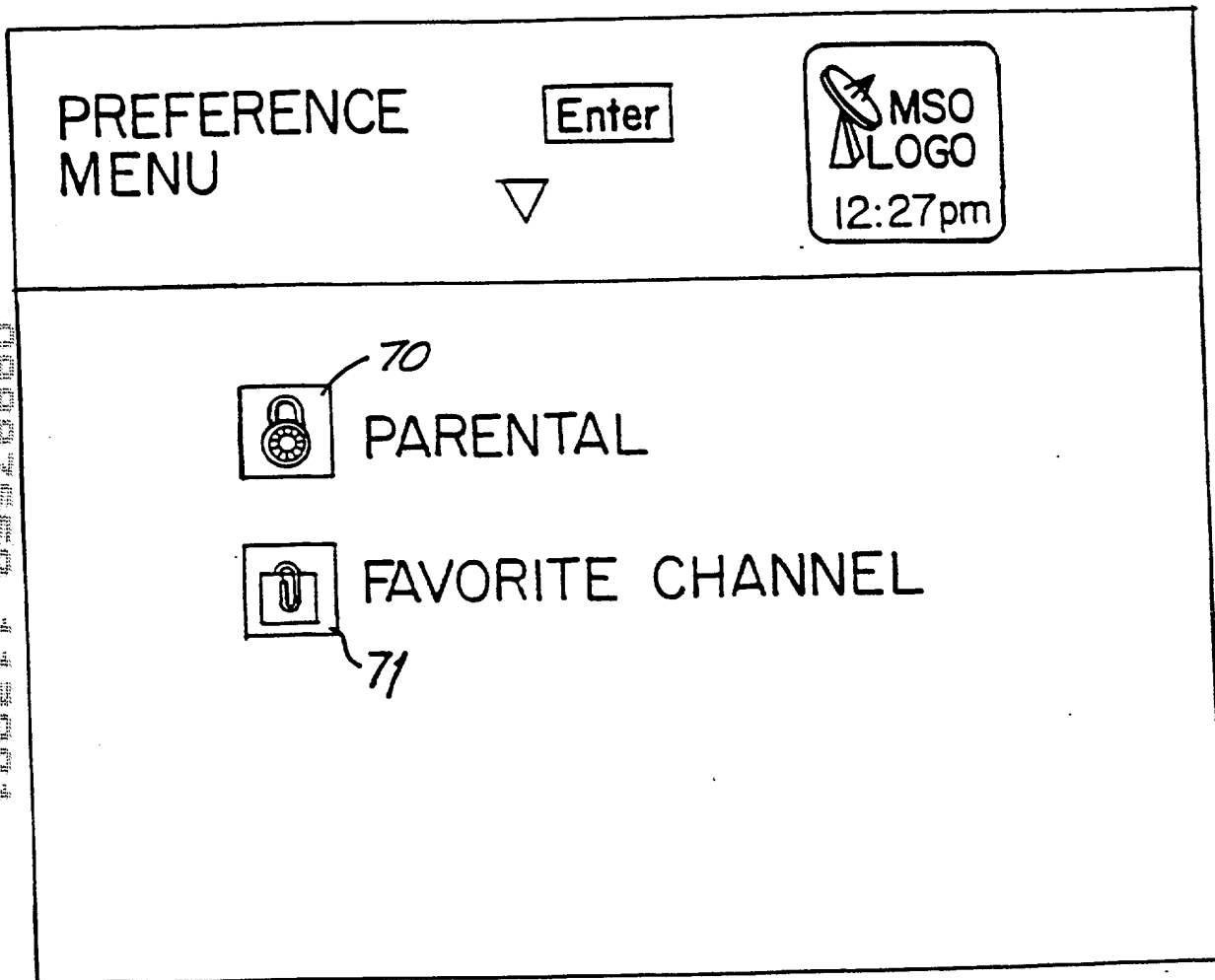
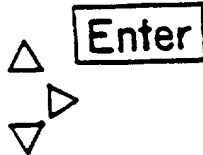


FIG.7

# FAVORITE CHANNEL



**TV**  
GUIDE  
12:25pm

Choices

Selected

4 KCNC

5 SHO

Delete

6 KRMA

7 KMGH

8 MUN1

9 KUSA

10 KTCI

11 REQ1

MOVIES

NEWS

SPORTS

82 15 REQ2

84

81

9 KUSA

7 KMGH

5 SHO

3 PPV

MOVIES

80

83

FIG.8



Jun 7

**HBO is a Premium Service**

**To order this service press Enter**

FLIP



6 HBO (4:00-5:30)

Shaker Run

TV  
GUIDE



FIG.9

Premium  
Services

Enter



HBO

Home Box Office \$10.40/Month

SHO

Showtime \$9.95/Month

DIS

The Disney Channel \$9.95/Month

TMC

The Movie Channel \$1.50/Month

MAX

Cinemax \$9.95/Month

PLA

Playboy at Night \$4.95/Evening(5:00pm to 3:00am)

ACT

Action \$5.95/Day(11:00pm to 3:00pm)

Movie, special events and family programming!

You are not a Subscriber. Press  to Subscribe!

FIG. 10

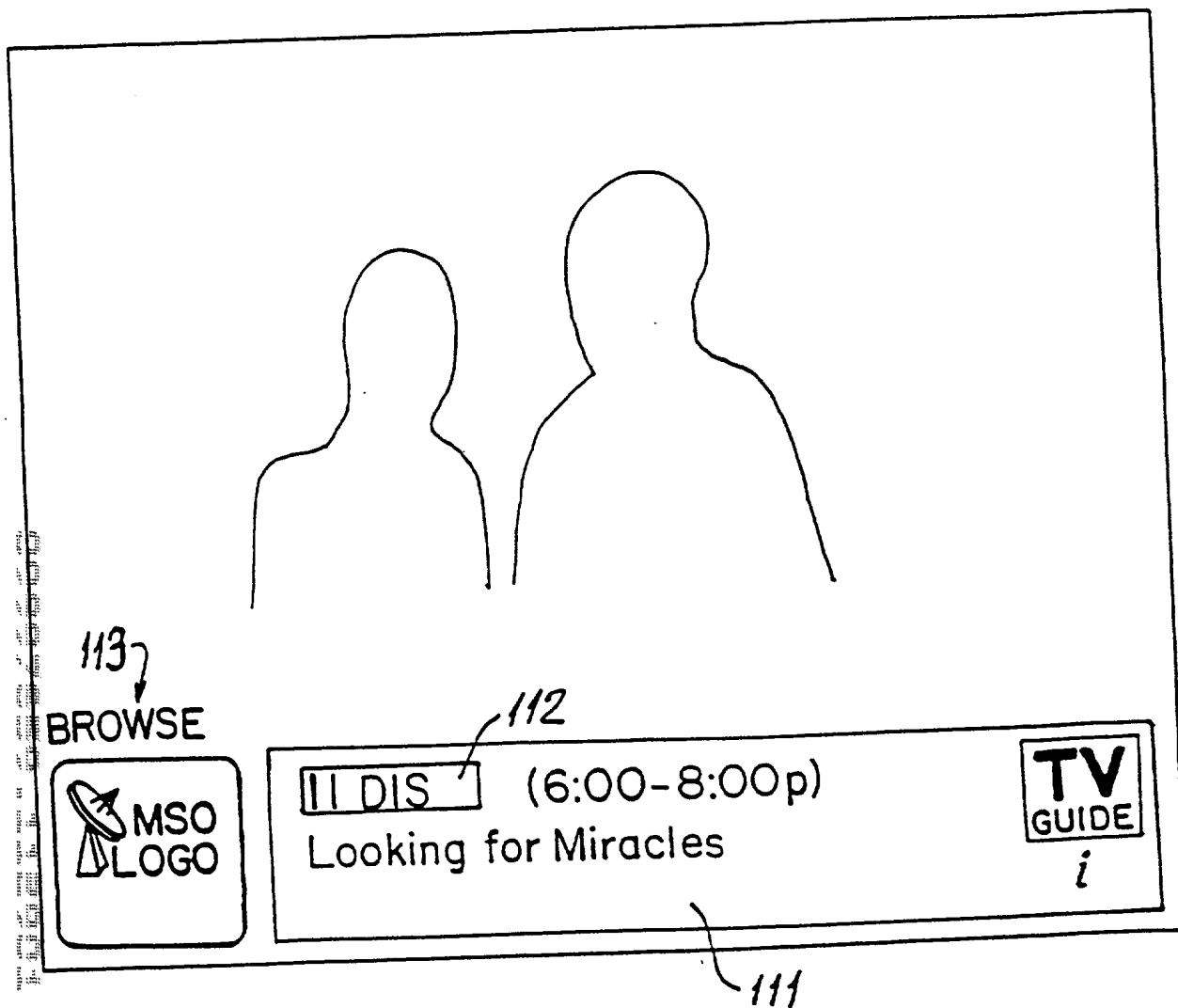


FIG. II

FIG. 12 is a schematic diagram of a television screen displaying a program guide. The screen shows two stylized human figures in the upper portion. Below the figures, the word "BROWSE" is displayed. At the bottom of the screen, there is a horizontal bar containing three elements: a logo on the left, a program listing in the center, and a "TV GUIDE" label on the right. The logo consists of a satellite dish icon and the text "MSO LOGO". The program listing shows "49 SFSU" followed by the time "(5:30-6:00p)" and the text "Educational Programming". The "TV GUIDE" label is enclosed in a box.

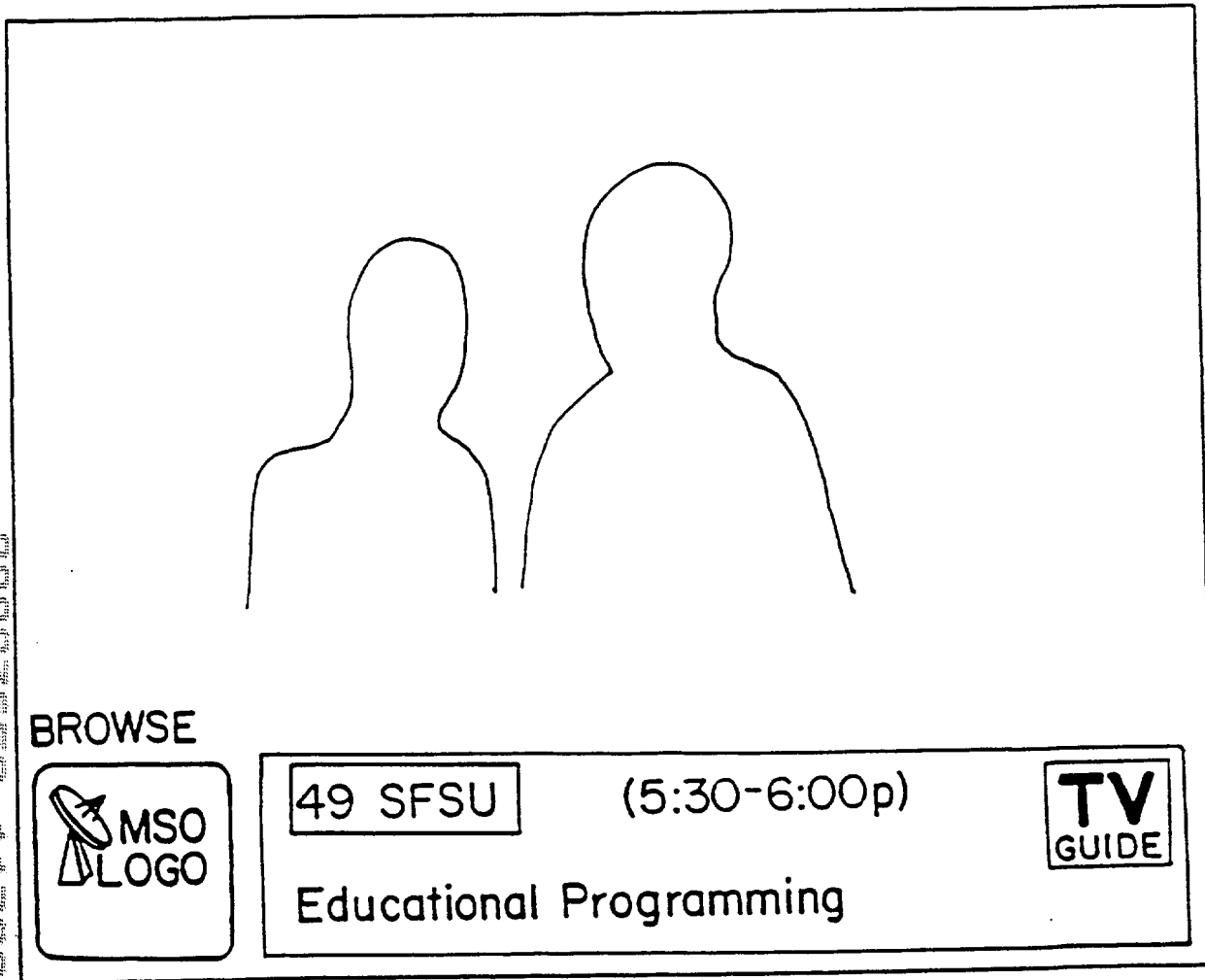


FIG.12

6:48pm

BROWSE



II DIS

Today(8:50-9:00p)

TV  
GUIDE

Making Their Mark

FIG. 12A

Jun 7

BROWSE <sup>132</sup>

---

Set Reminder for

5:30p Mama's Family

Arrows to select <Enter>to accept Yes

<sup>131</sup>

FIG.13

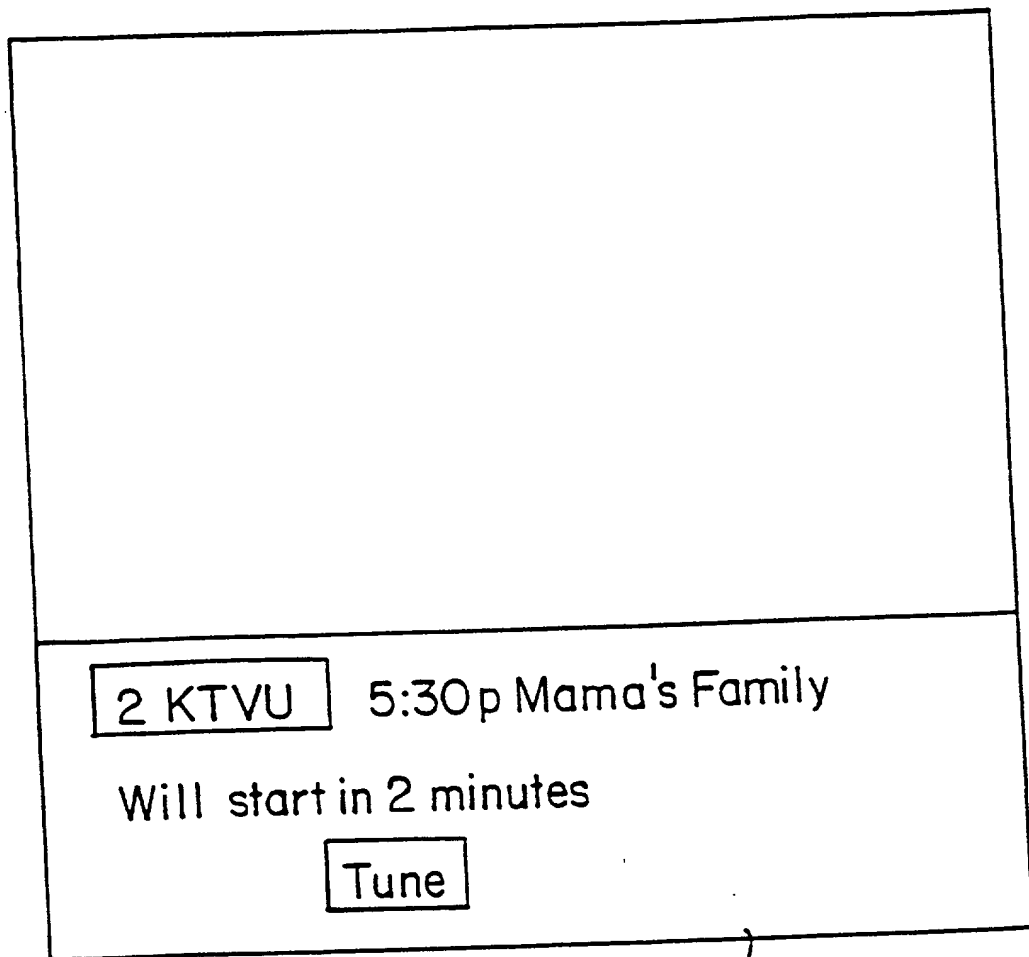


FIG.14

140

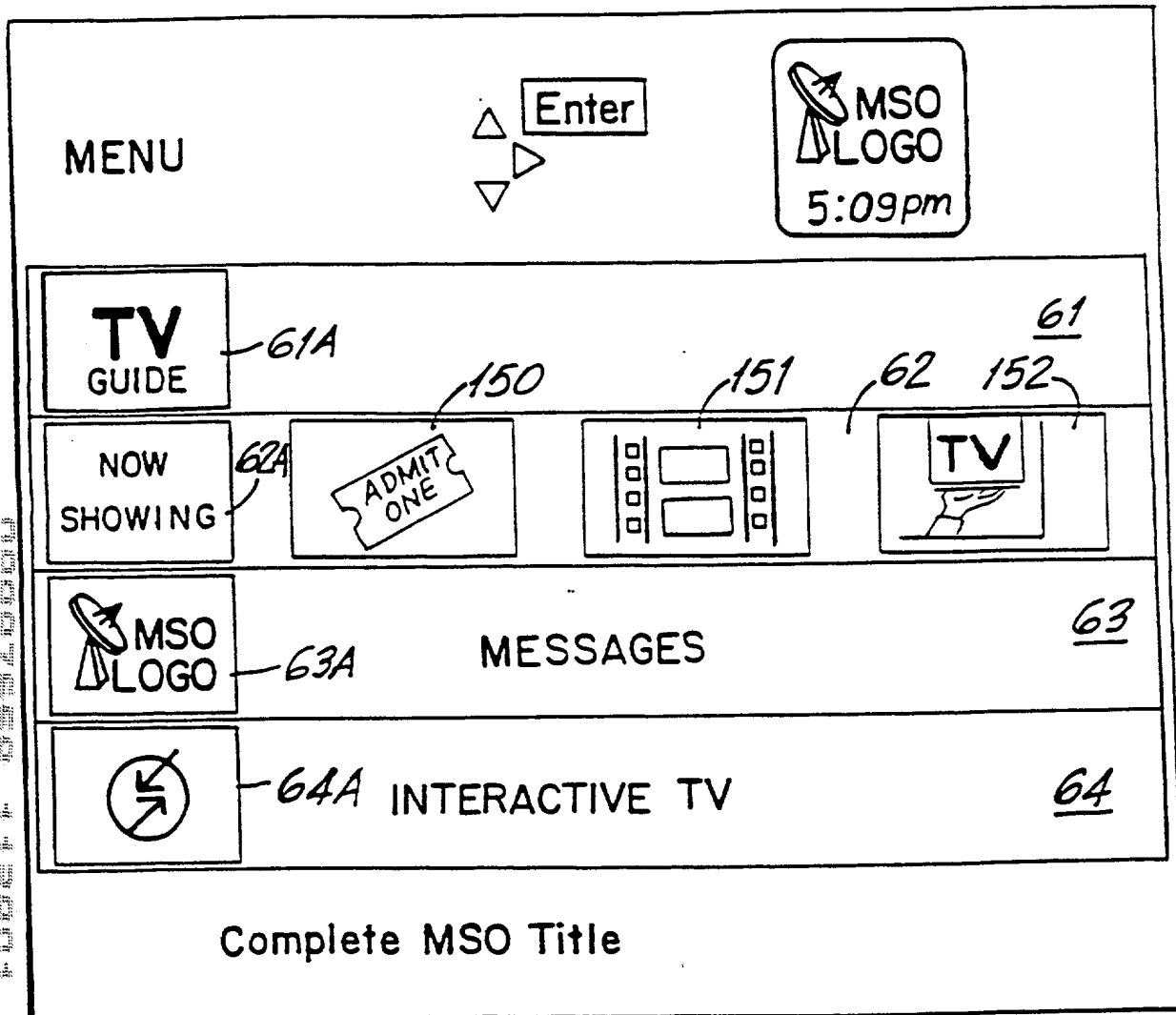


FIG.15



FIG. 16 is a schematic diagram of a television screen displaying a menu. The menu is divided into four horizontal sections. The top section is labeled 'MENU' and contains a directional pad with an 'Enter' button. The second section is labeled 'TV GUIDE' (61A) and 'ON SCREEN' (61). The third section is labeled 'NOW SHOWING' (62A) and 'HOME THEATER' (62). The fourth section is labeled 'INTERACTIVE TV' (64A) and contains a 'Complete MSO Title' field. The bottom section is labeled 'INTERACTIVE TV' (64) and contains a 'Complete MSO Title' field. The menu is also labeled with 'MSO LOGO' and '5:09 pm'.

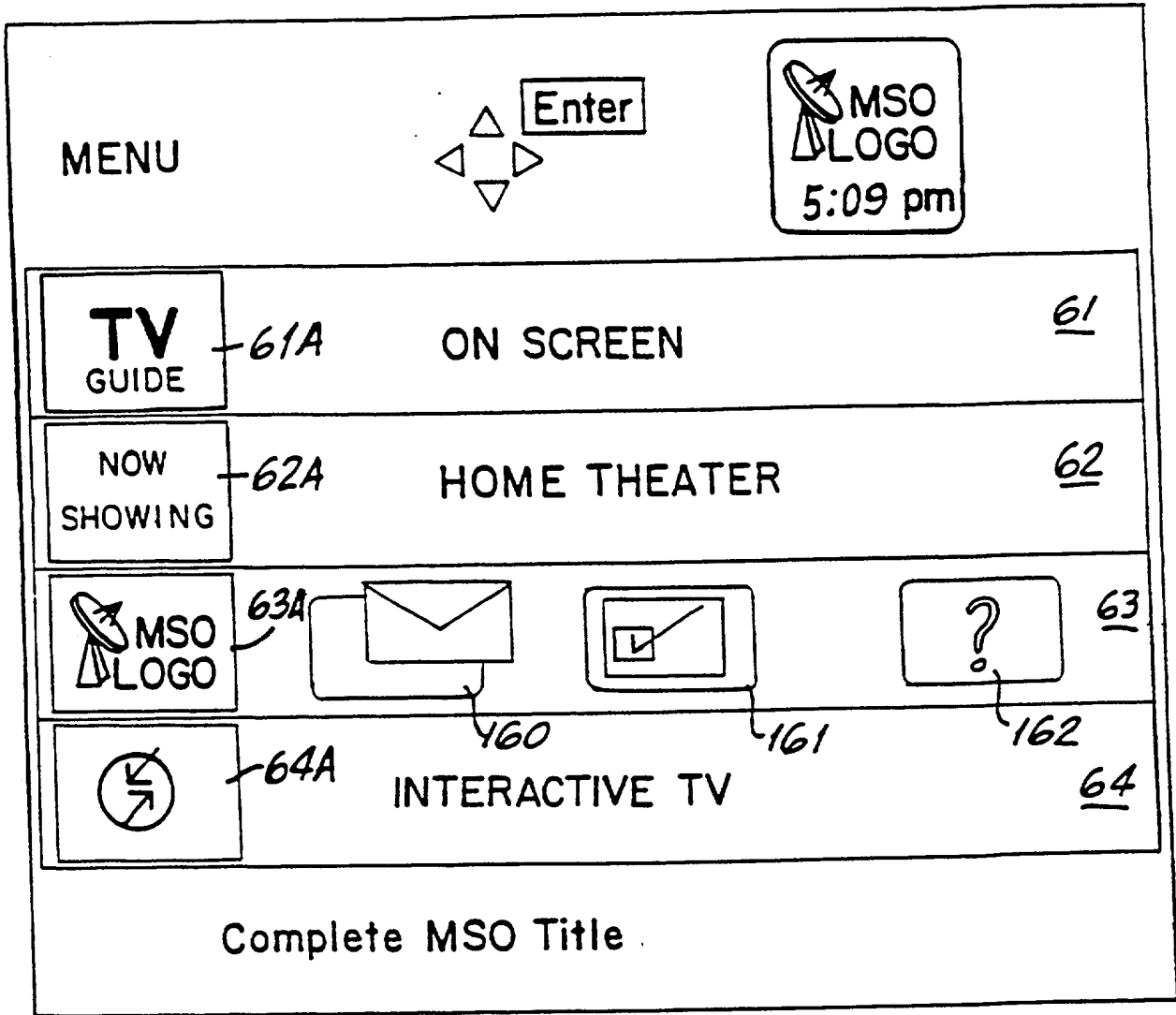


FIG. 16

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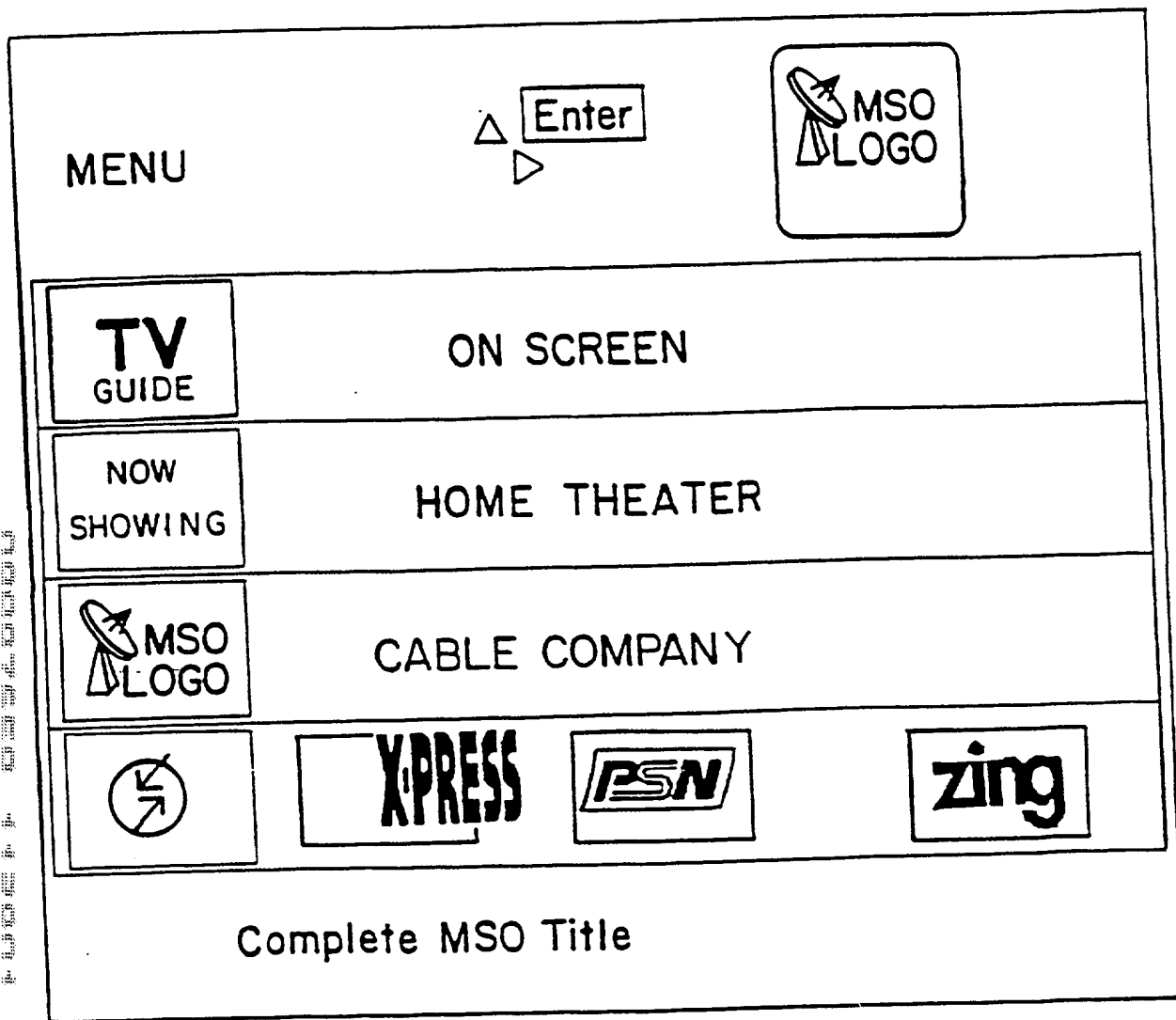


FIG.17

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180

All Listings

182

TV GUIDE

7:13 pm

184

Enter

183

i

4 KRON

Baseball (4:30-7:30p)

i

Today

7:00p

7:30p

8:00p

8:30p

4 KRON

Baseball

Ent. Tonight

Fresh Prince

Blossom

185

5 KPDX

Evening Shade

Major Dad

Murphy Brown

6 HBO

JFK: In His Own Words

JFK

7 KGO

Jeopardy!

Wheel of Fortune

Day One

FIG. 18



201

Listings By

202a

202b

202c

3 PREV

4 KRON

5 KPIX

Enter

i

TV GUIDE

6:50 pm

182

183

Today

203

4:30p Baseball	i
7:30p Entertainment Tonight	
8:00p Fresh Prince	
8:30p Blossom	i
9:00p Perry Mason: Notorious Nun	
11:00p News	
11:30 Tonight	
12:30a David Letterman	

FIG. 20

—

# Today

8. SHO	Oscar (10.00-12.00p)
--------	----------------------

(1991) PG. A mobster (Sylvester Stallone) tries to go legit. Omelia Muti, Don Ameche, Peter Riegert, Tim Curry.

FIG. 21

# PayPer View



Select choice

DER!

Press

additional Information

Press



For

Movies

NOW  
SHOWING

Party Incorporated

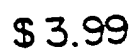
Passenger 57

Pet Sematary Two

Ring of Fire II: Blo

The Distinguished Ge

Year	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	



What time would you like this show to start?

230B

230A

Yes      No

PPV	
	Source

FIG. 23



Pay Per View  
Confirmation



Enter



You have requested to order:

Passenger 57

\$ 3.99

NO, I DO NOT WANT TO ORDER.

PPV	/	
	/	Source

FIG.24

Pay Per View  
Confirmation



You have requested to order:

Passenger 57

\$ 3.99

Yes, I would like to order

Passenger 57 has been Ordered!

Tune to Channel 1 Today at 9:00pm.

PPV	/
/	Source

FIG.24A

LISTINGS		Listing		6:06P AUG 16		
5:00	5:30	6:00	6:30	7:00	7:30	8:00
NBC <b>4</b> News						
ABC <b>6</b> News						
CBS <b>10</b> CBS News						
Fox <b>28</b> Club Paradise (5:00)						
PBS <b>29</b> Mystery!						
COM <b>30</b> Tribute to Carson						
HBO <b>33</b> Gremlins 2: The New Batch						
ESN <b>34</b> Tennis (4:30)						
AMC <b>35</b> Arise my Love (5:00)						
DSC <b>37</b> Natural World						
NIK <b>38</b> I Love Lucy						

FIG.25

FIG. 26 is a schematic diagram of a television set 100 showing a screen 102 and a control panel 104. The screen 102 displays a menu 106 with various options. The control panel 104 includes a set of buttons 108 for navigating through the menu. The menu 106 lists premium services and their associated costs. The control panel 104 also includes a numeric keypad 110 and a power button 112. The television set 100 is shown in a perspective view.


Premium Services	Enter	 5:03pm
<input type="text" value="HBO"/>	Home Box Office \$10.40/Month	
<input type="text" value="SHO"/>	Showtime \$9.95/Month	
<input type="text" value="DIS"/>	The Disney Channel \$9.95/Month	
<input type="text" value="TMC"/>	The Movie Channel \$1.50/Month	
<input type="text" value="MAX"/>	Cinemax \$9.95/Month	
<input type="text" value="PLA"/>	Playboy at Night \$4.95/Evening(5:00pm to 3:00am)	
<input type="text" value="ACT"/>	Action \$5.95/Day(11:00pm to 3:00pm)	
Movie, special events, and family programming!		
You are not a Subscriber. Press <input type="text" value="Enter"/> to Subscribe!		

FIG.26

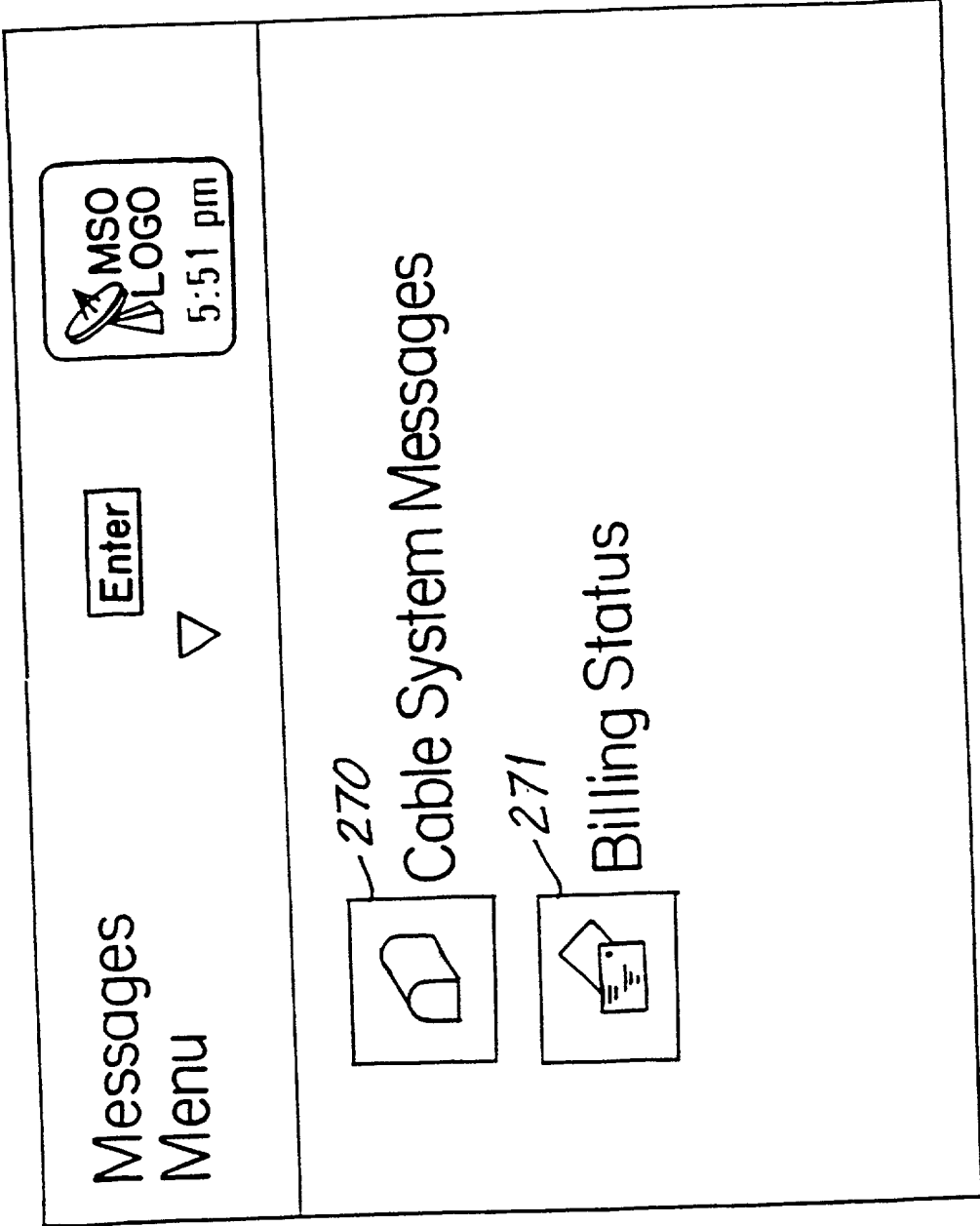


FIG.27


<p>Cable System Messages</p>	<div data-bbox="267 535 470 745">MSO LOGO 5:52 pm</div> <p>Pay Per View is featuring "Batman Returns" this month.</p> <p>Get a free sneak peek of HBO this weekend.</p>	<p>Complete MSO Title</p>
------------------------------	--	---------------------------

FIG.28

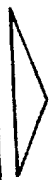
MSO  
TV  
GUIDE



3/17	Free HBO Preview Tonight
3/22	Pay Per View Movie Sale Will be on Tonight only
2/28	New Channel Next Week on your Cable Network

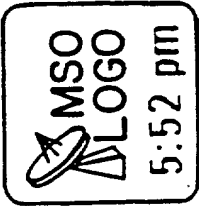


12/23	California Earthquake Reeks Havoc on TV
3/25	President Clinton Address
3/30	PBS Pledge Drive Begins Tonight with Auction



To move between cable system and TV Guide mailboxes, use Left/Right arrows. To read messages, use Down arrow: when headline is highlighted, full message appears in this space.

FIG. 28A



## Billing

Name: TV Guide Onscreen Acct. #: 12345-098765-08-9

Billed From: 05/25/93 Billed To: 06/25/93 Total: \$3.99

FOR CUSTOMER SERVICE CALL: 790-0900

Date	Time	Service / PPV Event	Cost
06/07/93	9:00 p	PASSENGER 57	\$3.99

FIG.29



# Key Access

~301  
Parental  
Guidance

MPAA ~308  
Rating

Channel ~303  
Block

Change Key Access Code: ~304

Clear Key Access Code and All Keys: OK  
~305

Enter

L - Language

PG

2 KWGN



FIG.30

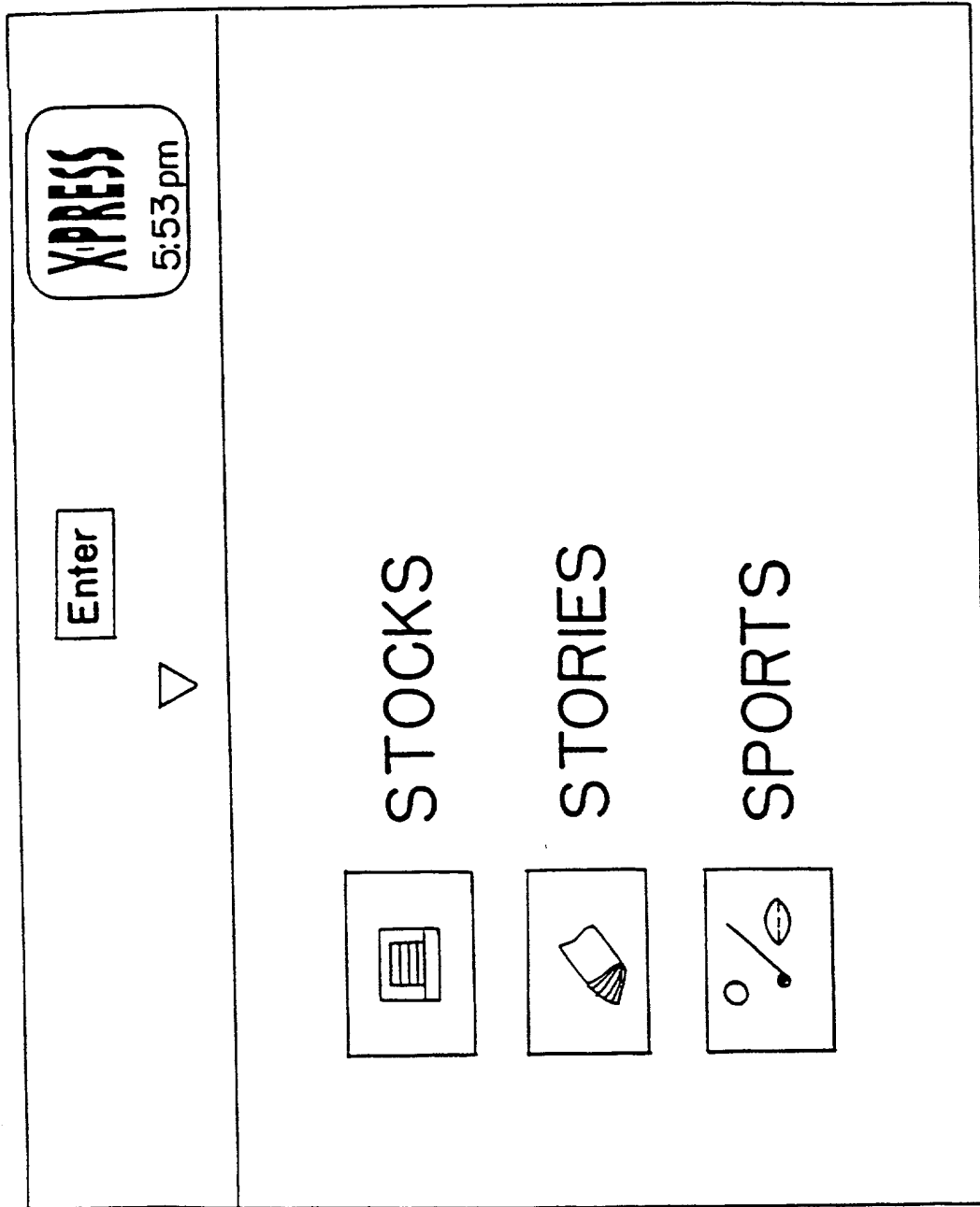


FIG. 31

Small vertical text on the left margin, likely a page number or reference code.

# Quote Watch

**XPRESS**  
5:53 pm

Alarms

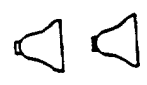
Change

Vol(100s)

Last

Symbol

CMCSA	18	5415	-0.25
CVC	29.75	129	-0.125
JOIN	10.5	22	0
LBTYA	18.125	873	0.625
LBTYB	18	0	1.5
TCOMA	18.25	22970	-0.5
TCOMB	19.25	51	-0.375
TUNE	5375	407	-0.125



Portfolio Value is 433200 and your gain is 443

# Hi Low/Close Graph

Last \$22.87at  
12.00pm. 05/29/93

**X-PRESS**

5:53 pm

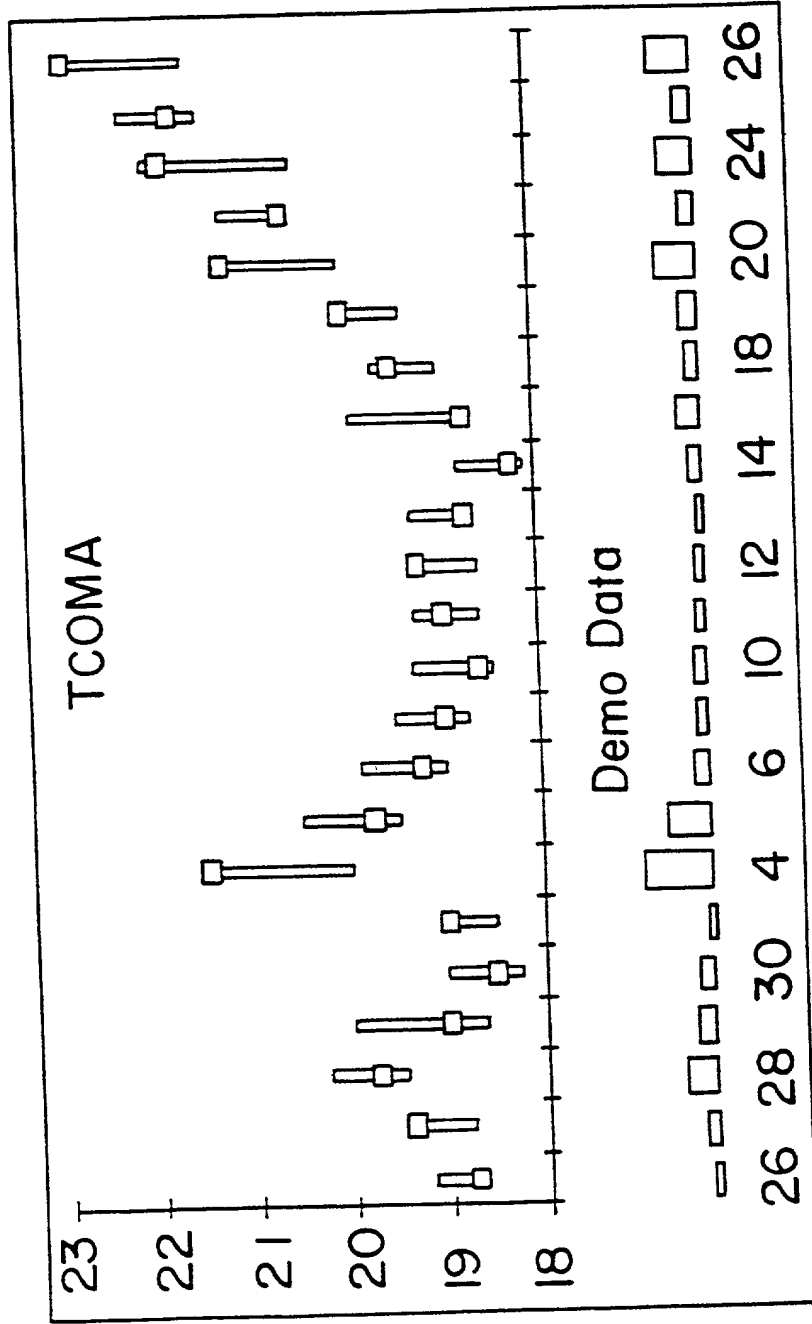


FIG. 33

## STORIES

**XiPRESS**

Jun 7

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### US World News

#### Cubans use Vitamins to combat epidemic

Geneva - A costly campaign to provide vitamins to all Cubans has helped curb a mysterious epidemic that has afflicted thousands with vision problems, a World Health Organization official said yesterday.

The outbreak of optical neuritis has dimmed the vision of about 20,000 Cubans and a related malady has affected 6,000 other people, mostly women.

FIG.34

SPORTS

**X-PRESS**

5:54 pm

---

**Major League Baseball**

**Yesterday in National League Action**

**Colorado 7, Houston 5**

**San Francisco 5, Chicago 4**

**Yesterday in American League Action**

**Detroit 4, Boston 1**

**Toronto 4, Milwaukee 2**

**FIG.35**

POWER

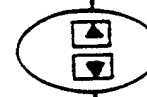
FLIP  
TUNE TO CHANNEL  
TIMED OVERLAY

INFO  
AVAILABLE

PREMIUM/PPV  
CHANNEL  
INFORMATION

SELECT

MENU



CHANGE  
CHANNEL

BROWSE  
(OVERLAY)

INFO  
AVAILABLE

SELECT

MENU



CHANGE  
CHANNEL

CHANGE  
TIME

PREMIUM/PPV  
SERVICE

SUBSCRIBED  
SERVICES

PRESENT  
TIME

FUTURE

YES

NO

REMINDER  
SET

FIG. 36A

FIG. 36A is a flowchart illustrating a system for displaying information on a television screen. The process begins with a POWER input, leading to a FLIP TUNE TO CHANNEL TIMED OVERLAY screen. From this screen, users can access INFO AVAILABLE (via an 'i' icon), PREMIUM/PPV CHANNEL INFORMATION (via a SELECT button), a MENU, or CHANGE CHANNEL (via up/down arrow icons). The CHANGE CHANNEL option leads to a BROWSE (OVERLAY) screen. The BROWSE (OVERLAY) screen provides access to INFO AVAILABLE (via an 'i' icon), a SELECT button, a MENU, CHANGE CHANNEL (via up/down arrow icons), and CHANGE TIME (via left/right arrow icons). The CHANGE TIME option leads to a screen for PREMIUM/PPV SERVICE and SUBSCRIBED SERVICES. The SUBSCRIBED SERVICES screen allows selection of PRESENT TIME or FUTURE. The FUTURE screen prompts for YES or NO; a YES response leads to REMINDER SET, which then feeds back into the BROWSE (OVERLAY) screen. A NO response or a selection of PRESENT TIME also feeds back into the BROWSE (OVERLAY) screen. The INFO AVAILABLE screens in both the top and middle sections feed back into the FLIP TUNE TO CHANNEL TIMED OVERLAY screen.

FIG. 36B

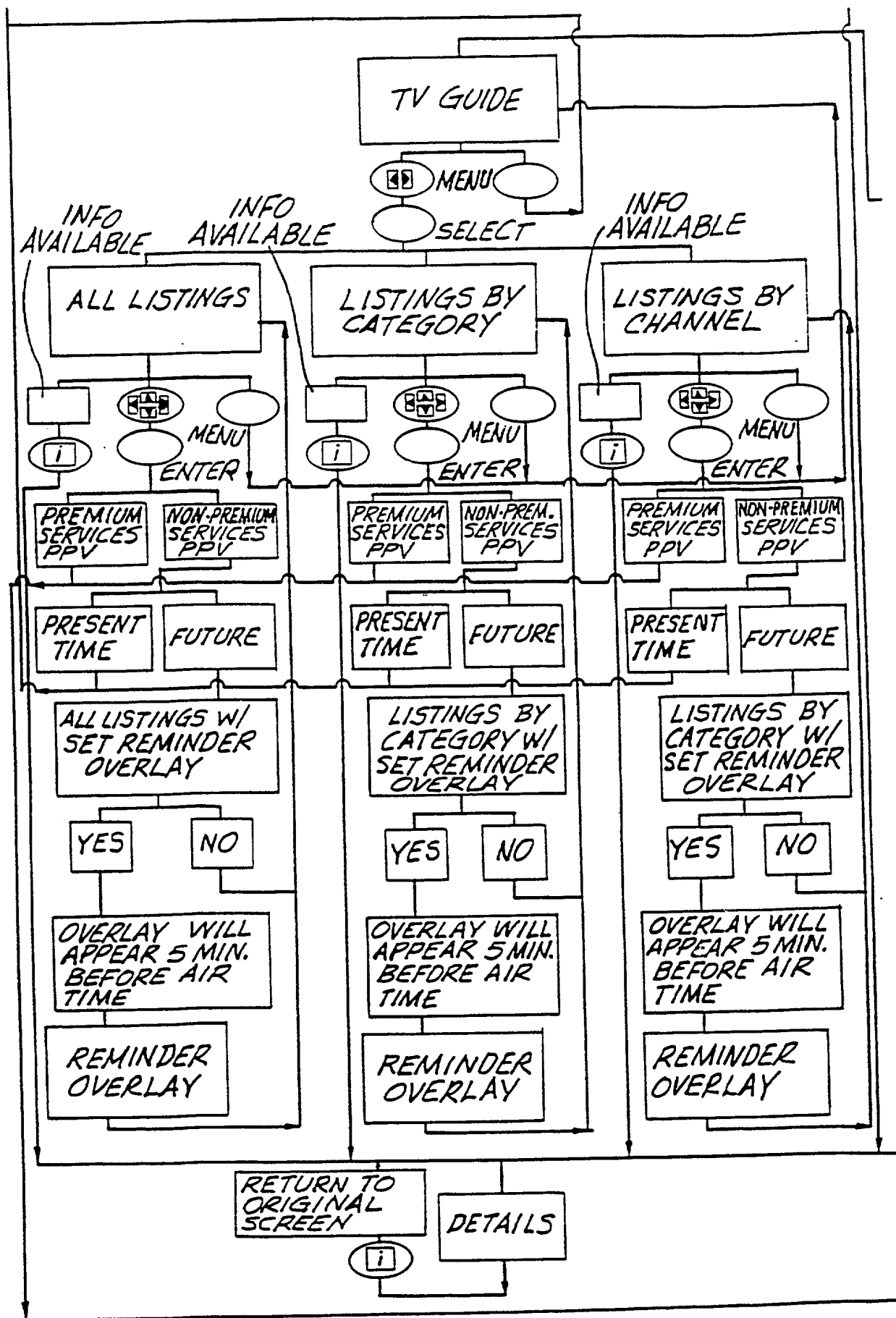


FIG. 36B



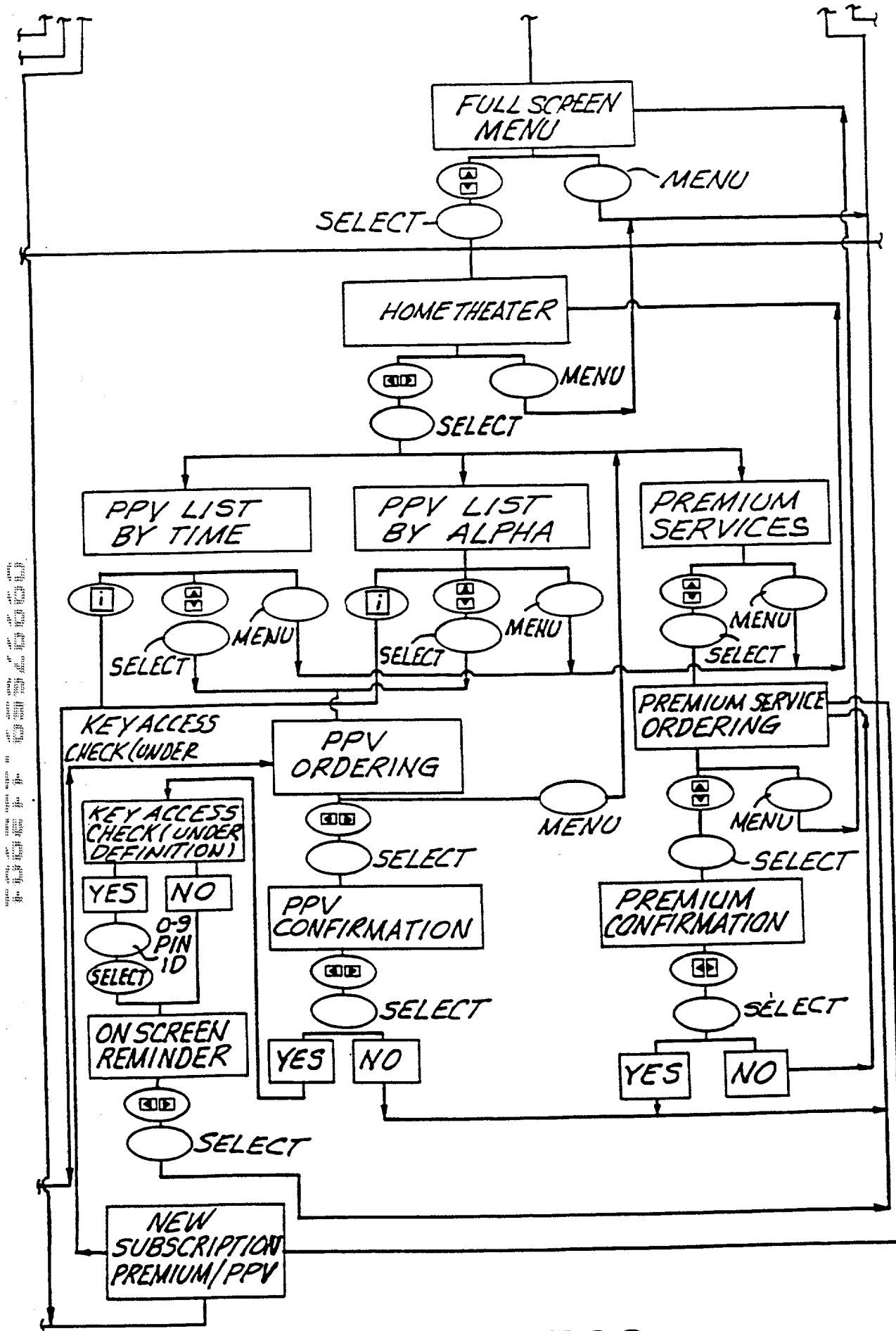


FIG. 36C

FIG. 36D

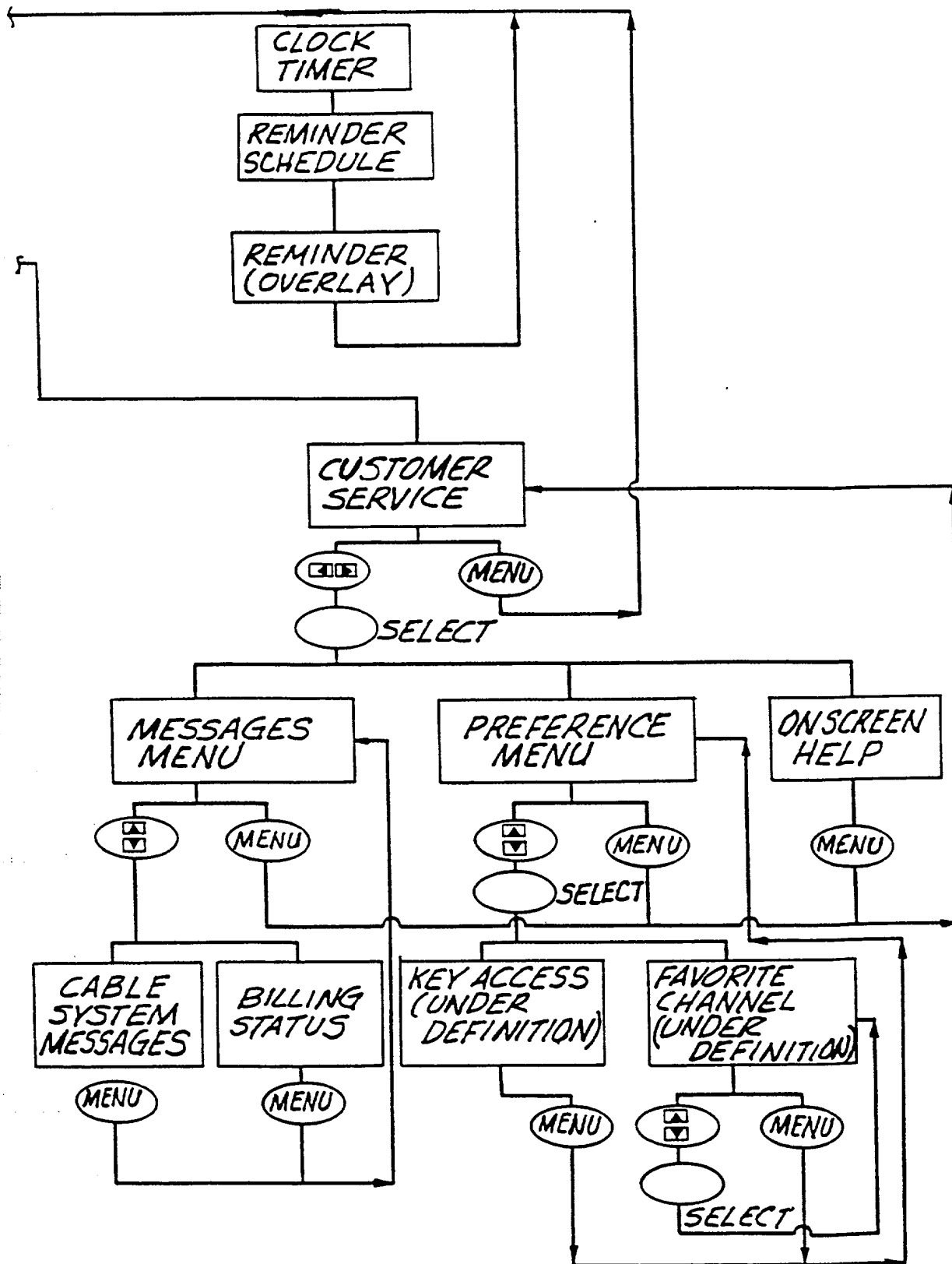


FIG. 36D